

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

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CENTRAL FAX CENTER
JUN 06 2006

In re application of: Rojer
Serial No.: 09/927,614
Filing Date: August 10, 2001

June 6, 2006

For: REFINEMENT OF BLOCK MOTION
ESTIMATE USING TEXTURE MAPPING

Docket No. 1087.251

VIA FAX (571) 273-8300

Mail Stop Petitions
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

LETTER

Dear Sir:

Having had no response to our Petition to Revive faxed to the USPTO in February of 2004, we telephoned the PTO today and have learned from Douglas Wood of the Petitions Administration Office that the Petition to Revive was never entered into the USPTO records. Mr. Woods advised us to re-fax the Petition and supporting documents to the PTO today so that they could be entered into the USPTO records and action to revive the application and move it forward could be taken.

Transmitted herewith is a copy of the Petition to Revive and supporting documentation as submitted on February 18, 2004.

Also transmitted herewith are the proposed new drawings to be submitted once the Petition to Revive has been granted.

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JUL 13 2006

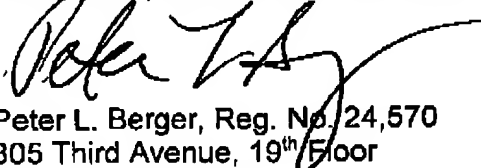
OFFICE OF PETITIONS

We respectfully request the assistance of the Patent Office in this matter so that this application can be restored to being a pending application for our client.

Should there be any additional charges in connection with this Petition, they should be charged to our deposit account number 02-2105.

Respectfully submitted,

LEVISOHN, BERGER & LANGSAM, LLP



Peter L. Berger, Reg. No. 24,570
805 Third Avenue, 19th Floor
New York, NY 10022
Telephone (212) 486-7272
Facsimile (212) 486-0323
Customer No. 04617

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JUL 13 2006
OFFICE OF PETITIONS

TRANSMISSION VERIFICATION REPORT

TIME : 02/18/2004 14:17
NAME : LBL LLP
FAX : 2124860323
TEL : 2124867272
SER.# : BROK3J755534

DATE, TIME
FAX NO./NAME
DURATION
PAGE(S)
RESULT
MODE

02/18 14:14
17033058755
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OK
STANDARD
ECM

CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)

Docket No.

1087.251

Applicant(s): Rojer

Serial No.
09/927,614

Filing Date
8/10/01

Examiner
Not known

Group Art Unit
Not known

Invention: REFINEMENT OF BLOCK MOTION...

I hereby certify that this Petition for Revival and Petition/Response w/auth to chg dep acct
(Identify type of correspondence)
is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. 703-305-8755)
on February 18, 2004
(Date)

Wanda Ruggiera

(Typed or Printed Name of Person Signing Certificate)



(Signature)

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JUN 16 2006

**Petition For Revival Of An Application For Patent Abandoned
Unintentionally Under 37 CFR 1.137(b) (Small Entity)**Docket No.
1087.251

In Re Application Of: Rojer

Serial No.
09/927,614Filing Date
8/10/01Examiner
Not yet knownGroup Art Unit
Not yet known

Invention: REFINEMENT OF BLOCK MOTION ESTIMATE USING TEXTURE MAPPING

Attention: Office of Petitions
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

NOTE: If information or assistance is needed in completing this form, please contact Petitions
Information at (703) 305-9282.

The above-identified application became abandoned for failure to file a timely and proper response to a notice or action by the Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the Office notice or action plus any extension of time actually obtained.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION

NOTE: A grantable petition requires the following items:

- (1) Petition fee;
- (2) Reply and/or issue fee;
- (3) Terminal disclaimer with disclaimer fee—required for all utility and plant applications filed before June 8, 1995; and for all design applications; and
- (4) Statement that the entire delay was unintentional.

1. ☒ A proposed reply to the above-identified Office Action:

☒ is enclosed. ☐ was filed on _____

The proposed reply is in the form of: _____

2. ☐ The issue fee:

☐ is enclosed. ☐ was paid on _____

3. ☐ A small entity declaration:

☐ is enclosed. ☐ was filed on _____

4. ☒ The abandoned application was a:

☐ design application. ☒ utility application. ☐ plant application.

5. ☐ A terminal disclaimer (and fee) disclaiming a period equivalent to the period of abandonment is enclosed.

6. ☐ Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.

JUN 08 2006

**Petition For Revival Of An Application For Patent Abandoned
Unintentionally Under 37 CFR 1.137(b) (Small Entity)**Docket No.
1087.251

In Re Application Of: Rojer

Serial No.
09/927,614Filing Date
8/10/01Examiner
Not yet knownGroup Art Unit
Not yet known

Invention: REFINEMENT OF BLOCK MOTION ESTIMATE USING TEXTURE MAPPING

Calculation and Payment of Fees

Enclosed are the following fees:

7. ☒ Petition fee under 37 CFR 1.17(m) in the amount of: \$665.00
8. ☐ Fee for amendment in the amount of: _____
9. ☐ Fee for extension of time to reply to Office Action in the amount of: _____
10. ☐ Issue fee in the amount of: _____
11. ☐ Continuing application filing fee in the amount of: _____
12. ☐ Terminal disclaimer fee in the amount of: _____
13. ☐ _____
- Total fees enclosed: \$665.00

The fee of \$665 is to be paid as follows:

- ☐ A check in the amount of the fee is enclosed.
- ☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. _____

(Page 2 of 2)

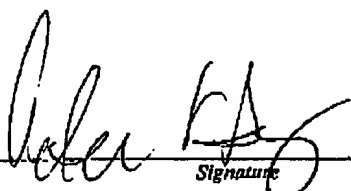
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OFFICE OF PETITIONS

**Petition For Revival Of An Application For Patent Abandoned
Unintentionally Under 37 CFR 1.137(b) (Small Entity)**JUN 06 2006
Docket No.
1087.251In Re Application Of: **Rojer**Serial No.
09/927,614Filing Date
8/10/01Examiner
Not yet knownGroup Art Unit
Not yet knownInvention: **REFINEMENT OF BLOCK MOTION ESTIMATE USING TEXTURE MAPPING****Statement**

The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional.


Signature

Dated: February 18, 2004

Peter L. Berger, Esq. Reg. No. 24,570
Levisohn, Berger & Langsam, LLP
805 Third Avenue, 19th Floor
New York, NY 10022
Phone (212) 486-7272
Fax (212) 486-0323
Customer No. 04617

I certify that this document and fee is being deposited
on with the U.S. Postal Service as
first class mail under 37 C.F.R. 1.8 and is addressed to the
Mail Stop Petition, Commissioner for Patents, P.O. Box
1450, Alexandria, VA 22313-1450.

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Correspondence

CC:

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In re application of: Rojer
Serial No.: 09/927,614
Filing Date: August 10, 2001

February 18, 2004

For: REFINEMENT OF BLOCK MOTION
ESTIMATE USING TEXTURE MAPPING

Docket No. 1087.251

VIA FAX (703) 305-8755

Mail Stop Petitions
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

PETITION/RESPONSE

Dear Sir:

In response to the Notice of Abandonment issued on February 2, 2004, transmitted herewith is a copy of our July 8, 2002 Letter with respect to the Notice to File Corrected Application Papers which was faxed to the Patent Office.

As explained in the letter, the events of September 11th caused massive dislocation throughout the United States, especially in New York City, during which time our office was closed for several days and our phones were not working for over a week. The client in this matter was located approximately six blocks north of the World Trade Center.

The outstanding matter is directed to informal drawings and does not deal with issues of patentability.

Therefore, we would ask that the Patent Office reconsider the unusual circumstances, withdraw the Notice of Abandonment and issue a new date for us to provide corrected drawings.

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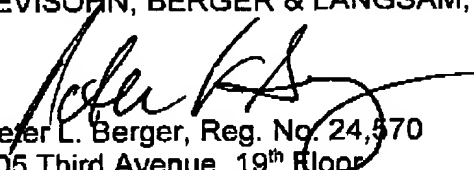
JUL 13 2006

OFFICE OF PETITIONS

We respectfully request the assistance of the Patent Office in this matter so that this application can be restored to being a pending application for a client who deserves some special consideration.

Respectfully submitted,

LEVISOHN, BERGER & LANGSAM, LLP



Peter L. Berger, Reg. No. 24,570
805 Third Avenue, 19th Floor
New York, NY 10022
Telephone (212) 486-7272
Facsimile (212) 486-0323
Customer No. 04617

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/927.614	08/10/2001	Alan Rojer	1087.251

CONFIRMATION NO. 5343

ABANDONMENT/TERMINATION
LETTER
OC000000011802204

Peter L. Berger, Esq.
LEVISOHN, LERNER, BERGER & LANGSAM
Suite 2400
757 Third Avenue
New York, NY 10017

Date Mailed: 02/02/2004

NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 09/14/2001.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to the "Office of Petitions" at (703) 305-9282. Petitions should be mailed to: Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

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JUL 13 2006

OFFICE OF PETITIONS

LEVISCHN LERNER : fax:212-486-0323

**** Transmit Conf. Report ****

P.1

Jul 8 '02 12:06

Telephone Number	Mode	Start	Time	Pages	Result	Note
17033087749	NORMAL	8,12:05	0'38"	2	* O K	

IN THE UNITED STATES PATENT & TRADEMARK OFFICE**In re application of: Rojer****Serial No.: 09/927,614****Filing Date: August 10, 2001****For: REFINEMENT OF BLOCK MOTION
ESTIMATE USING TEXTURE MAPPING****Docket No. 1087.251****July 8, 2002****VIA FAX (703) 308-7749****OIPE****U.S. Patent & Trademark Office
Washington, D. C. 20231****LETTER****Dear Sirs:**

First, thank you for your cooperation on July 2, 2002 discussing the outstanding matter with my assistant, Wanda Ruggiera.

As we explained, we have been going through status checks for various clients, and the client for this application has a number of other pending matters with this office. In going through the files, we discovered that a Notice to File Corrected Application Papers had actually been placed in the file and had not been properly noted

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

In re application of: Rojer

Serial No.: 09/927,614

Filing Date: August 10, 2001

For: REFINEMENT OF BLOCK MOTION
ESTIMATE USING TEXTURE MAPPING

Docket No. 1087.251

July 8, 2002

VIA FAX (703) 308-7749

OIPE

U.S. Patent & Trademark Office

Washington, D. C. 20231

LETTER

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JUL 13 2006

Dear Sirs:

OFFICE OF PETITIONS

First, thank you for your cooperation on July 2, 2002 discussing the outstanding matter with my assistant, Wanda Ruggiera.

As we explained, we have been going through status checks for various clients, and the client for this application has a number of other pending matters with this office. In going through the files, we discovered that a Notice to File Corrected Application Papers had actually been placed in the file and had not been properly noted or docketed. We also note that the Notice was not even mail stamped by our office.

We realize that the document was mailed from the Patent Office on September 14, 2001, and as you are well aware, the events of September 11th caused massive dislocation throughout the United States, especially in New York City. Indeed, our office was closed for several days, our phones were not working for over a week and the client for whom we do this work is located approximately six blocks north of the World Trade Center.

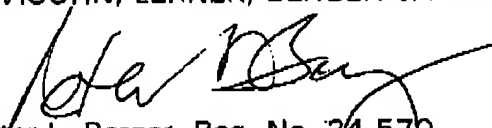
I am unable to offer any rational explanation for why this document was not handled in the ordinary course, but I assume that the confusion surrounding the events; the confusion in our office; and the confusion at the client all contributed to causing this Notice not to be handled in the manner in which we usually do so.

Since this matter is directed to informal drawings, it is respectfully requested that this does not deal with issues of patentability such as an Office Action from an Examiner on prior art. Therefore, we would ask that the office consider the unusual circumstances and issue a new date for us to be able to provide compliance with a newly issued Notice to File Corrected Drawings.

We respectfully request your cooperation and kindness in this matter so that this application can be restored to being a pending application for a client who well deserves some special consideration.

Respectfully submitted,

LEVISOHN, LERNER, BERGER & LANGSAM, LLP



Peter L. Berger, Reg. No. 24,570
757 Third Avenue, Suite 2600
New York, NY 10017
Telephone (212) 486-7272
Facsimile (212) 486-0323

X:\ARCHIVE\Wanda\1087\1087.251 Ltr to OIPE 7-8-02.wpd



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/927,614	08/10/2001	Alan Rojer	1087.251

CONFIRMATION NO. 5343

FORMALITIES LETTER

OC0000000000559231

Peter L. Berger, Esq.
LEVISOHN, LERNER, BERGER & LANGSAM
Suite 2400
757 Third Avenue
New York, NY 10017

Date Mailed: 09/14/2001

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

This application has been accorded an Application Number and Filing Date. The application, however, is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice **MUST** be returned with the reply.*

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Initial Patent Examination Division (703) 308-1202

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OFFICE OF PETITIONS



UNITED STATES PATENT AND TRADEMARK OFFICE

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Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/927,614	08/10/2001	Alan Rojer	1087.251

CONFIRMATION NO. 5343

ABANDONMENT/TERMINATION
LETTER

OC000000011802204

Peter L. Berger, Esq.
LEVISOHN, LERNER, BERGER & LANGSAM
Suite 2400
757 Third Avenue
New York, NY 10017

Date Mailed: 02/02/2004

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Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to the "Office of Petitions" at (703) 305-9282. Petitions should be mailed to: Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

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*A copy of this notice **MUST** be returned with the reply.*

JUL 13 2006

OFFICE OF PETITIONS

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

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2/9/04

Fig. 1

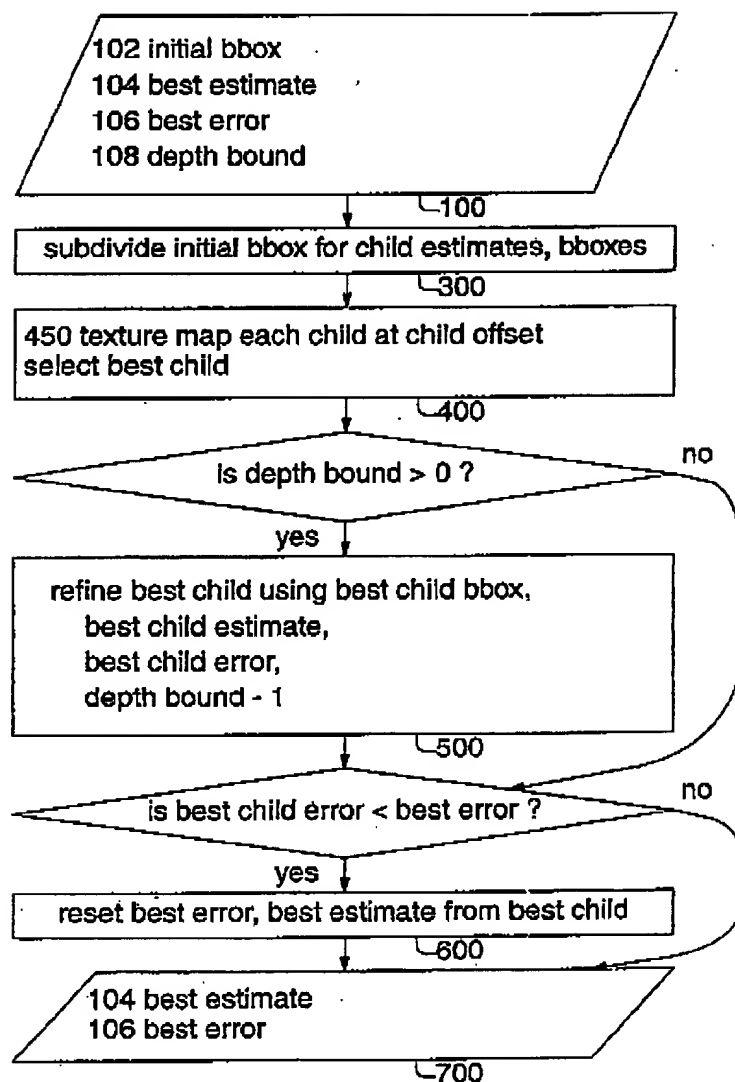


Fig. 2

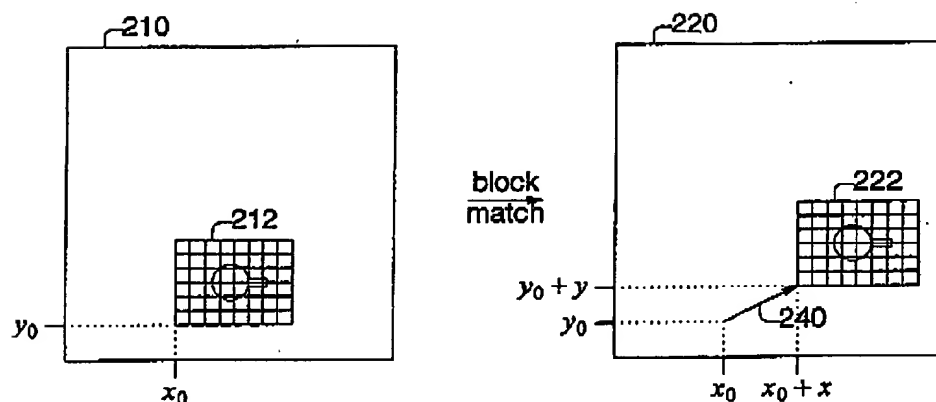


Fig. 3

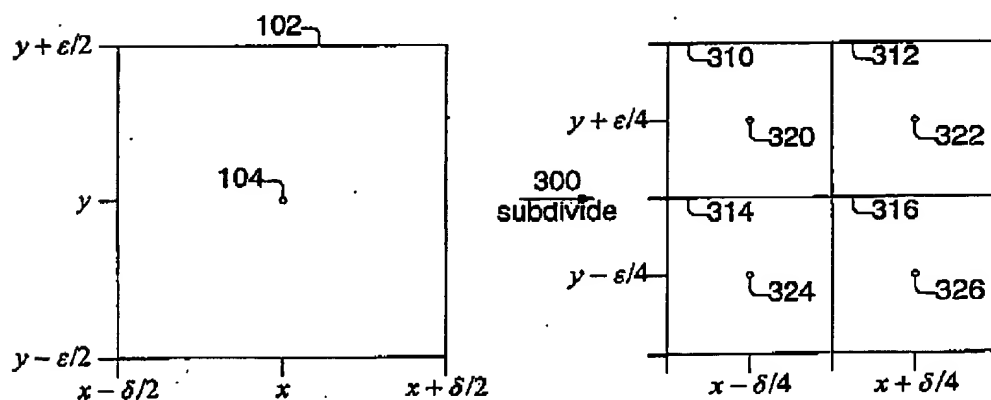


Fig. 4

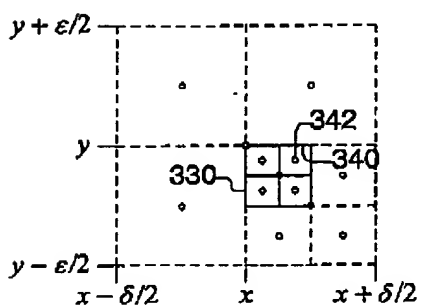
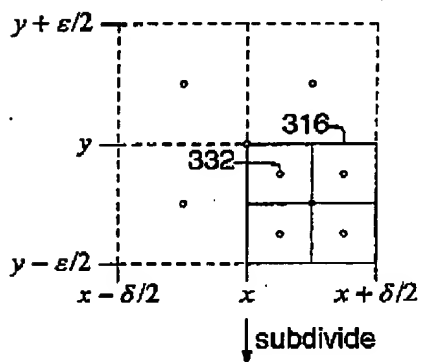
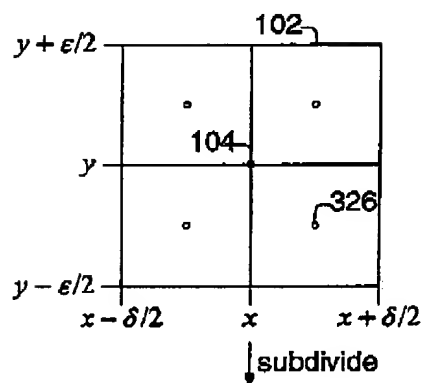
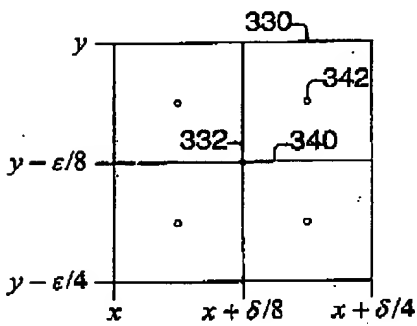
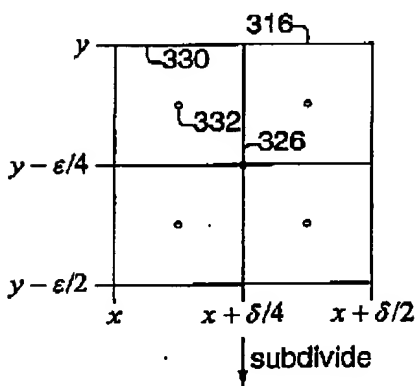
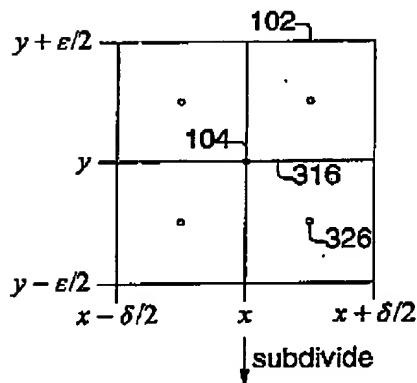


Fig. 5



*Fig. 6***500 Refinement**

```
500-001 refine(initial_bbox, best_estimate, best_error, depth_bound) {  
500-002   subdivide initial_bbox to 4 child_bboxes  
500-003   best_child_error =  $\infty$   
500-004   foreach child_bbox {  
500-005     child_estimate = child_bbox.center  
500-006     texture map from target to source using child_estimate  
500-007     compute pixelwise child_error in source  
500-008     if (child_error < best_child_error) {  
500-009       best_child_error = child_error  
500-010       best_child_estimate = child_estimate  
500-011     }  
500-012   }  
500-013   if (depth_bound > 0) {  
500-014     refine(child_bbox, best_child_estimate, best_child_error, depth_bound - 1)  
500-015   }  
500-016   if (best_child_error < best_error) {  
500-017     best_error = best_child_error  
500-018     best_estimate = best_child_estimate  
500-019   }  
500-020 }
```

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*Fig. 7***450 Texture Map**

```
450-001 texture_map(dx, dy, x0, y0, xf, yf) {  
450-002     glBegin(GL_QUADS);  
450-003     glTexCoord2f(x0 + dx, y0 + dy); glVertex2f(x0, y0);  
450-004     glTexCoord2f(xf + dx, y0 + dy); glVertex2f(xf, y0);  
450-005     glTexCoord2f(xf + dx, yf + dy); glVertex2f(xf, yf);  
450-006     glTexCoord2f(x0 + dx, yf + dy); glVertex2f(x0, yf);  
450-007     glEnd();  
450-008 }
```

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